

Mosquito Prevent Education



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Mosquito Jokes



**"Knock knock."
"Who's there?"
"Amos."
"Amos who?"**



Another one



....and another one.



*When you
really want
to slap someone,
do it and say
"Mosquito!!"*



Final Mosquito Joke



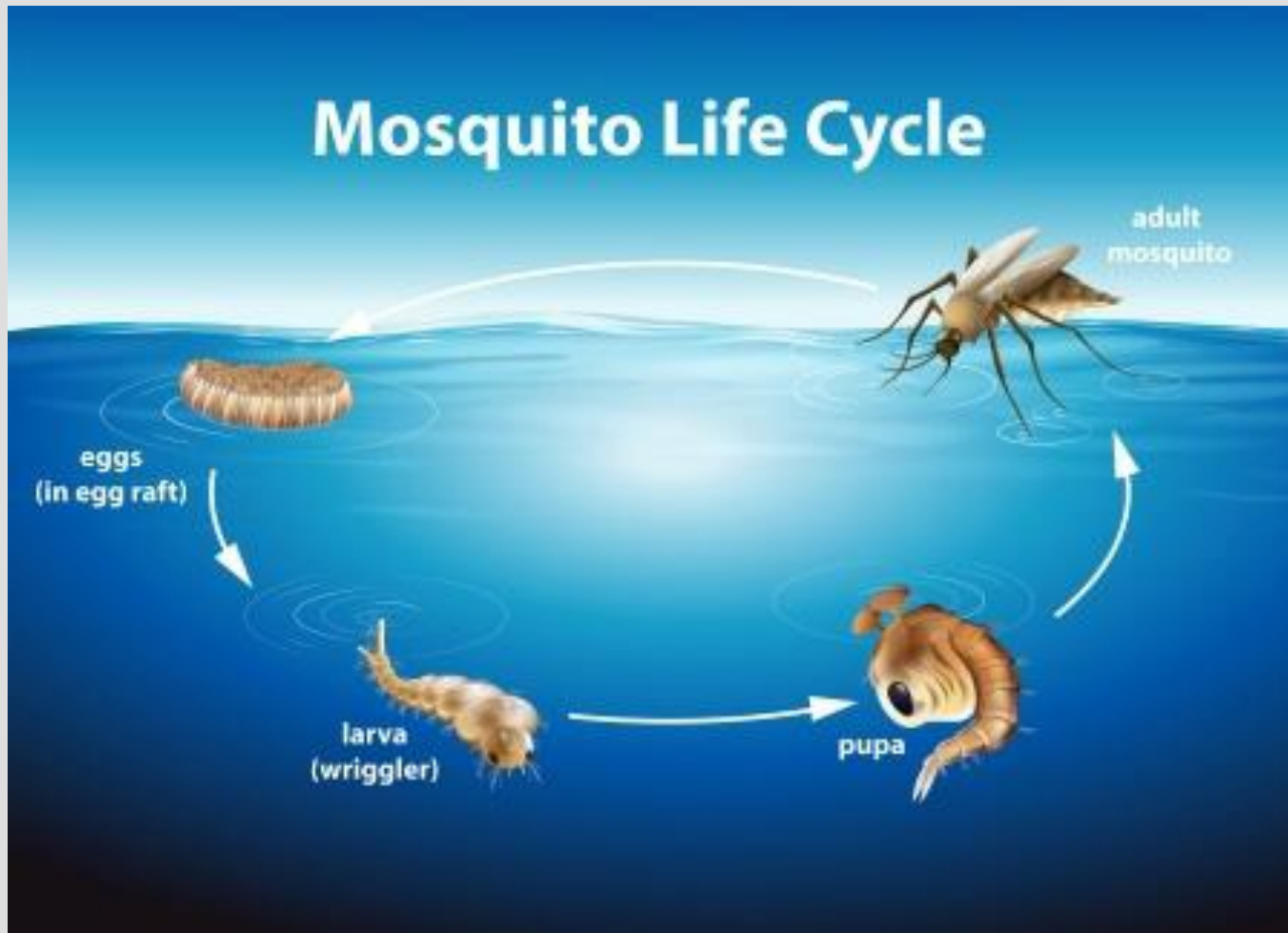
I don't care what
people think of me.
At least mosquitos
find me attractive.

What is a mosquito?



- A small, midge-like flies
- Tube-like mouthparts, pierces a host's skin to consume blood.
 - The saliva is what causes the irritating, itchy rash
- World Deadliest Animal
- Word “mosquito” origins in Spanish meaning little fly.

Mosquito Life Span

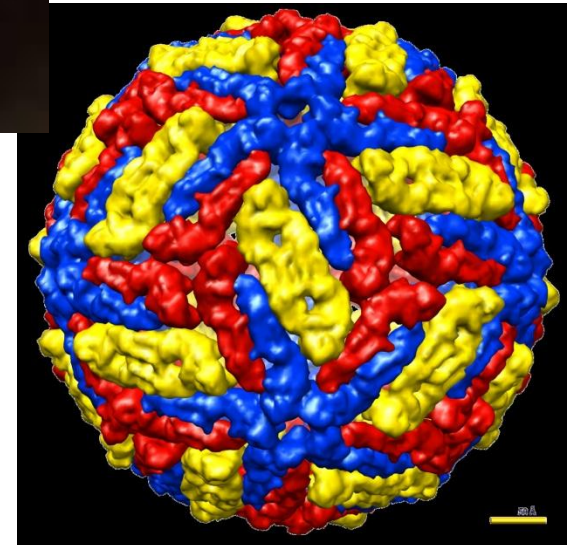


All mosquitoes are not the same!



- There are over 35000 species of mosquitoes identified all over the world.
 - Some are blood suckers, and other are not.
- Zika, Dengue and Chikungunya are diseases transmitted by the Aedes species mosquito.
 - Active during day time
- West Nile Virus is transmitted by the culex species.
 - Active at night.

Diseases Transmitted by Mosquitoes



West Nile virus only, PDB 1K4R from Kuhn et al. (2002) Cell 108: 717-725. Rendered with UCSF Chimera. Images © 2012 JY Sgro, UW-Madison.

Zika Virus Disease

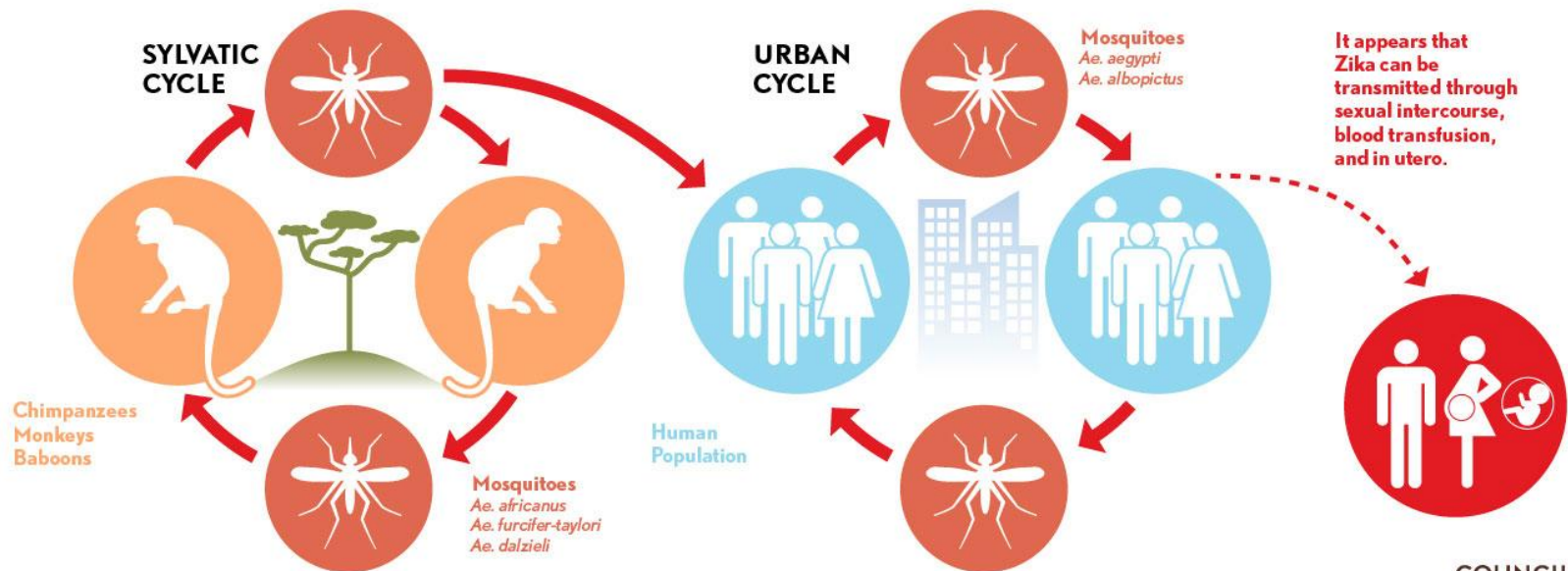


- A virus that is primarily obtained through a bite from a infected Aedes species mosquito.
- Other modes of transmission: Mother /Child, Sexual Contact, and Blood Transfusion
- Common Symptoms: fever, rash, joint pain, conjunctivitis (red eyes), muscle pain and headache.
- Incubation Period: Several days to week

Zika Transmission Cycle

How the Zika Virus Enters the Human Population

The virus originates with nonhuman primates in tropical rainforests but can infect humans. Warm, urban environments with standing pools of water attract mosquitoes, and can lead to the virus's spread.



Sources: CDC, PLOS, Reuters Credits: David Foster, Laurie Garrett, Doug Halsey, Gabriella Meltzer

COUNCIL on
FOREIGN
RELATIONS

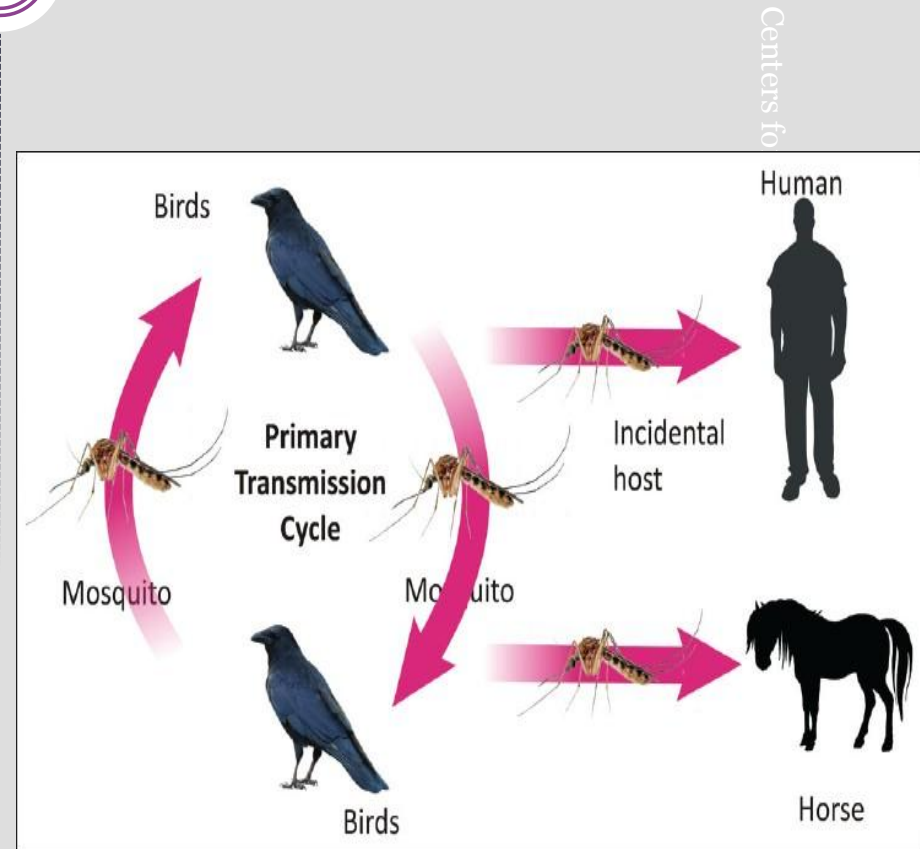
West Nile Virus



- A virus commonly primarily transmitted to human by culex species mosquitoes.
- Can cause febrile illness, encephalitis, and meningitis.
- Other modes of transmission: mother/child, blood transfusions, organ transplants, and lab exposure.
- Common symptoms: fever, headache, body aches, joint pains, vomiting diarrhea, rashes, fatigue, and weakness.
 - Severe Symptoms: neck stiffness, disorientation, coma, tremors, seizures, and even paralysis.
- Incubation Period: 2-14 days

How West Nile Virus is spread

- Naturally, the West Nile Virus cycles between mosquitoes and birds.
- The infected mosquitoes transfer the virus when they bite/feed again-
 - Birds
 - Small animals (squirrels, mice etc.)
 - Horses
 - Pets
 - Humans



Why does West Nile Matter in Bridgeport?



- In 2015- **75%** of the West Nile cases in the state of Connecticut were here in Bridgeport.

6 out of 8 cases

=

75%

Traveling to Affected Areas



- Do your research prior to travel.
 - Find out travel warnings on CDC website.
- Wear long sleeved shirts, long pants, and socks.
- Apply repellant with Deet on exposed skin.
- Use mosquito net when you sleep.
- If pregnant, be aware.

What is the State of CT doing to help?



Connecticut Department of Energy and Environmental Protection (CT DEEP), 2016

- The state is trapping and testing mosquitoes all over the state to monitor West Nile and similar diseases carried by mosquitoes.
- In Connecticut, the state has found 9 different mosquito transmitted diseases that can cause human illness.

What is the City of Bridgeport doing to help?



- Mosquito Control with Larvacide
 - Place chemicals into city storm drains to kill the mosquito eggs
- Enforcement
 - City codes that require property owners to get rid of standing water.
- Community Education and Outreach

Now for the most important part:



**WHAT CAN YOU DO TO HELP
YOUR COMMUNITY?**

What can we do to help?



- Protect yourself from mosquitoes
- Control the mosquito population
- Spread the word in the community

Ways to Protect Yourself from bites



- Wear long pants, long sleeve shirts, shoes and socks when outside.
- Use insect repellent with Deet on exposed skin
 - Make sure you apply based on directions
- Use mosquito netting when sleeping outside.



How to reduce mosquitoes around your home



- Repair or install new screens, windows and doors.
- Getting rid of places where water can collect
 - Trash bins, recycling bin, Bucket, old tires, and other containers
 - Bird baths, foundations or pet dishes
 - Clogged gutters and drains
- Keep grass mowed and trim bushes regularly.
- Plant insect-repellant plants
 - Lemon balm, garlic, rosemary, etc.
- Burn citronella outdoor candles when having outdoor activities.

Drill holes in the bottom of recycling bins or turning them upside down when empty



Clean out your gutters and drains



Remove standing water from all containers that can hold water



If you don't, remove, at least eliminated the standing water.

Install or repair screens, windows and doors



Keep water in pool clean and chlorinated.



Also remember to drain and cover pool
when pool is not in use.

Change water in bird baths or foundations at least once a week



Fill pot holes on your property or ask property owner to fill them



Plant insect-repellant plants



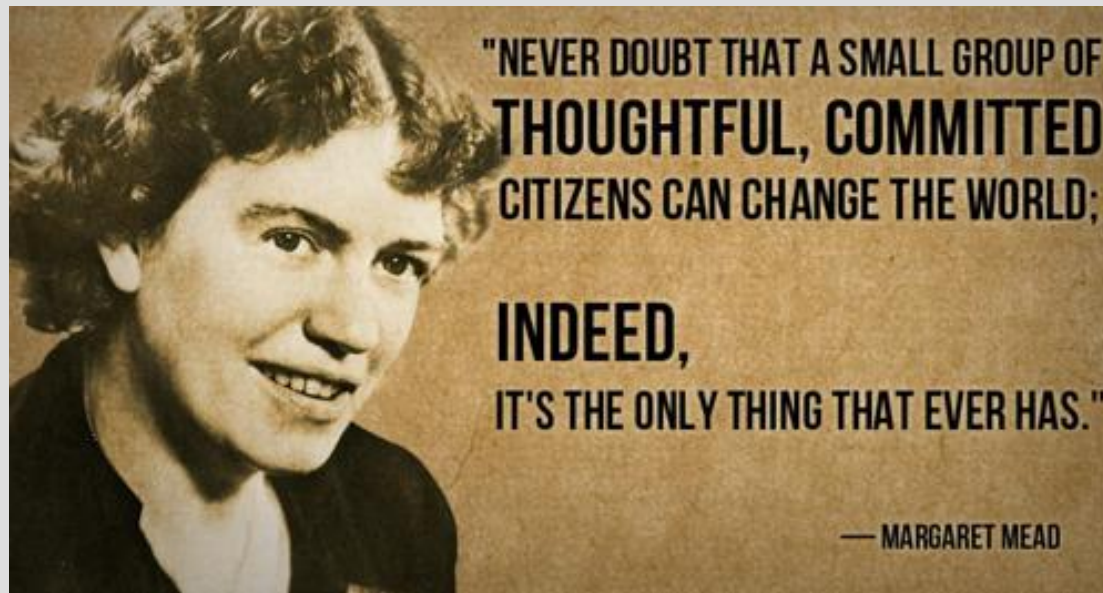
Burn citronella candles for outdoor events



Very Important



Share the information you have learned with your family, friends, and neighbors



Questions, Comments, or Concerns



Thank You



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